

ABSTRACT OF THE DISCLOSURE

A method of carrying out multiplex transmission of a subscriber service signal, includes the steps of (a) converting a subscriber service signal including x digital subscriber line (xDSL) signals, from an analog form to a digital form, (b) storing a plurality of thus converted sampling digital signals and control signals into a first multiple signal, and multiplexing in time-sharing a plurality of the thus produced first multiple signals to thereby produce a second multiple signal, and (c) transmitting the second multiple signal.

(Drawing to be published: Fig. 3)